BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work: Modified Estimate for the work of Road widening and improvements to roads from Mariyannapalya to coffee board layout in ward no 07 Byatrayanapura, Kodigehalli Sub Division.

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
1	Removing BS Slab of drain and stacking.	Sqm							
			Not Executed				0.00	TP	
						Total:-	**0.00**	61.20	**0.00**
2	KSRB 2-2.2:Earth work excavation by Manual means in ordinary soil involving an average horizontal throw up to 2mts and an average lift up to0.5m, excavated surface levelled and sides neatly dressed, the dipsosed earth to be levelled neatly after breaking clods complete as per specifications complete as per spcefications. (Pg No.138, I.No.19.1 of P & IWTD S.R 2014-15)	Cum							
	Cross road RHS		1	48.00	0.70	0.70	23.52		
	Cross road 2 RHS		2	48.00	0.70	0.70	47.04		
	Cross road 1 LHS		1	38.00	0.70	0.70	18.62		
	Cross road 2 LHS		2	45.00	0.70	0.75	47.25		
	Main road		2	133.00	0.70	0.75	139.65		
	Culvert		4	5.00	2.00	1.20	48.00	TP	
						Total:-	**324.08**	79.50	**25765.00**
3	KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 metres complete as per specifications.	Sqm							
			Not Executed				0.00	TP	
						Total:-	**0.00**	19.25	**0.00**
4	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm							
			Not Executed				0.00	TP	
						Total:-	**0.00**	4.70	**0.00**
5	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum							
			Not Executed				0.00	TP	

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
						Total:-	**0.00**	1510.00	**0.00**
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of I mix M10 With OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum							
			Not Executed				0.00	TP	
						Total:-	**0.00**	5315.00	**0.00**
7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum)	Cum							
	BOTTOM SLAB								
	Cross road RHS		1	48.00	0.65	0.12	3.74		
	Cross road 2 RHS		2	48.00	0.65	0.12	7.49		
	Cross road 1 LHS		1	38.00	0.65	0.12	2.96		
	Cross road 2 LHS		2	45.00	0.65	0.10	5.85		
	Main road		2	133.00	0.65	0.12	20.75		
	SIDE WALLS								
	Cross road RHS		2	48.00	0.10	0.45	4.32		
	Cross road 2 RHS		4	48.00	0.10	0.45	8.64		
	Cross road 1 LHS		2	38.00	0.10	0.45	3.42		
	Cross road 2 LHS		4	45.00	0.10	0.45	8.10		
	Main road		4	133.00	0.10	0.45	23.94		
							89.21	6136.55	**547467.00**
8	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km	Cum							
			Qty Vide Item No. 2				324.08	TP	
						Total:-	**324.08**	76.50	**24793.00**
9	Providing JCB per day Pg No. XXXXVI No. 23 PWD SR 2014-15							TP	
	Basic rate		41				41	7053.00	**289173.00**
								TP	
10	Engaging Tractor 50HP Pg No. xxxxvii, I No. 38 PWD SR 2014-15		55				55	2350.00	**129250.00**

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
								TP	
11	Engaging of Labour Pg No. xxxxvii, I no. 38 PWD SR 2014-15		500				500	235.00	**117500.00**
	EIRL								
12	**KSRB 4-1.3:** Providing and laying in position plain cement concrete of nominal mix 1:4:8 using **40mm** and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)	Cum							
	Cross road RHS		1	48.00	0.70	0.15	5.04		
	Cross road 2 RHS		2	48.00	0.70	0.15	10.08		
	Cross road 1 LHS		1	38.00	0.70	0.15	3.99		
	Cross road 2 LHS		2	45.00	0.70	0.15	9.45		
	Main road		2	133.00	0.70	0.15	27.93		
	Culvert		4	5.00	1.80	0.15	5.40		
							61.89	5321.59	**329354.00**
	PWD SR 2015-16 Basic rate	4695.00							
	Add A.W. 8%	375.60							
	Total	5070.60							
	Tender Premium @+4.95%	250.99							
	Total	5321.59							
13	**KSRB 5.3-1:**Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications.(P-235. Item No. 5.3)	Cum							
	culvert		8	5.00	0.45	0.90	16.20		
							16.20	3627.07	**58759.00**
	PWD SR 2015-16 Basic rate	3200.00							
	Add A.W. 8%	256.00							
	Total	3456.00							
	Tender Premium @+4.95%	171.07							
	Total	3627.07							
14	**KSRB 5.3-1:**Providing ruled pointing of course stone msonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicley lining, including cost of materials, labour, curing etc., complete as per specifications and directions of the engineer-in-charge. (P-112, Item No. 15.8)	Sqm							
	culvert		8	5.00		0.80	32.00		
							32.00	37.40	**1197.00**

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
	PWD SR 2015-16 Basic rate	33.00							
	Add A.W. 8%	2.64							
	Total	35.64							
	Tender Premium @+4.95%	1.76							
	Total	37.40							
15	**KSRB 4-.9-2:**Providing and fabricating TMT . Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications . (Page NO 17, Itm. NO. 4.46.2)	tonne							
	Qty @ 60 Kg/cum			0.060		89.21	5.35		
						Total:-	**5.35**	66000.51	**353291.00**
	Revised PWD SR 2015-16 Basic rate	58229.24							
	Add A.W. 8%	4658.34							
	Total	62887.58							
	Tender Premium @+4.95%	3112.94							
	Total	66000.51							
16	**KSRB 4-6.4:** Providing and removing centering, shuttering strutting, propping etc., and removal of form work for **vertical surface** such as walls at any thickness including attached pilasters, buttressed, plinth and string courses cost of all materials, labour complete as per specifications (Page no.14, Item No. 4.31)	Sqm							
	Cross road RHS		1x4	48.00		0.45	86.40		
	Cross road 2 RHS		2x4	48.00		0.45	172.80		
	Cross road 1 LHS		1x4	38.00		0.45	68.40		
	Cross road 2 LHS		2x4	45.00		0.45	162.00		
	Main road		2x4	133.00		0.45	478.80		
							968.40	321.90	**311731.00**
	PWD SR 2015-16 Basic rate	284.00							
	Area Weightage 8%	22.72							
	total	306.72							
	Tender Premium @+4.95%	15.18							
	Total	321.90							

Sl No	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
17	Providing and fixing 10cms thick pre cast **RCC covering slab** using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications **(Data Rate Approved)**	Sqm							
	For covering slab								
	Cross road RHS		1	48.00	0.75		36.00		
	Cross road 2 RHS		2	48.00	0.75		72.00		
	Cross road 1 LHS		1	38.00	0.75		28.50		
	Cross road 2 LHS		2	45.00	0.75		67.50		
	Main road		2	133.00	0.75		199.50		
						Total	**403.50**	1865.80	**752851.00**
	Data Rate	1777.80							
	Tender Premium @+4.95%	88.00							
	Total	1865.80							
18	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification **(Data Rate Approved)**	Sqm							
	Culvert slabs		34	1.80	0.60		36.72		
						Total	**36.72**	4620.73	**169674.00**
	Basic rate	4402.79							
	Tender Premium @+4.95%	217.94							
	Total	4620.73							
								Total:-	**3110805.00**

Certificate:-

1)This is certified that the work spot comes under BBMP limits only.

2)The rates are as per CSR of 2014-15 2015-16 +/- Tender Premium.

3)The Provisions made in estimate are adequate and necessary.

Asst.Engineer
Ward no.7
B.B.M.P.

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatarayanapura division
B.B.M.P.
29/7/16.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

(Modified Estimate)
Sanctioned

Chief Engineer
Yelahanka Zone
Greater Bengalore Mahanagara
Palike
Bangalore 92
29/7/16